RS700-E6/ERS4

Cable-less Design 1U with High Power Efficiency

For 1U enterprise level applications, RS700-E6 can be an ideal choice with fast processing speed, ample storage, considerate redundancy design and unique cable-less design.

Processor / System Bus	Quad-Core Intel® Xeon® W5500 Series (130W) Socket 1366 x 2 Quad-Core Intel® Xeon® X5500 Series (95W) Quad-Core Intel® Xeon® E5500 Series (80W) Quad-Core Intel® Xeon® L5500 Series (60W/38W) FSB QPI 4.8 / 5.86 / 6.4 GT/s Quad Core/Dual Core
Core Logic	Intel® 5520 chipset Intel® ICH10R I/O Controller
Memory	**Total Slots:** 96GB **Capacity:** Maximum up to **Memory Size: Memory Type:** 12 DDR3 1066/1333 Reg DIMM/ Unbuffered DIMM with ECC 1GB 2GB 4GB (3-channel per CPU, 6-DIMM per CPU) (RDIMM); Maximum up to 48GB (UDIMM) *8GB (RDIMM); 1GB 2GB 4GB (UDIMM)
Expansion Slots	**Total Slots:** 3 **Slot Type:** 1 * PCI-E 2.0 x16 slot (x 16 link) (Full-Height/Half-Length) 1 * PCI-E 2.0 x16 slot (x 8 link) (Full-Height/Half-Length) 1 * PCI-E 2.0 x8 slot (x 8 link) (Low profile/Half-Length) **Addditional Slot 1** 1* PIKE Slot for Stroage Enhancement
Storage	**SATA Controller** Intel® ICH10R: 6 SATA2 300MB/s ports Intel Matrix Storage (for Windows only) (Support software RAID 0, 1, 10 & 5) LSI® MegaRAID (for Linux/Windows) (Support software RAID 0, 1, 10) **SAS Controller** Optional: ASUS PIKE 1064E 4-port SAS RAID card Asus PIKE 1078 8-port SAS HW RAID card
HDD Bays	4 x Hot-swap 3.5
Networking	**LAN:** 2 * Intel 82574L + 1 * Mgmt LAN
Graphic	**VGA:** Aspeed AST2050 8MB
Auxiliary Storage	1 x Slim-type DVD-RW
On Board I/O	1 x External Serial Port 1 x PS/2 Mouse port 1 x PS/2 Keyboard port 1 x VGA port 4 x USB2.0 ports (Front * 2, Rear * 2) 3 x RJ-45 ports (One for ASMB4-iKVM)
OS Support	Windows® Server 2003 R2 Enterprise (32/64 bit) RedHat® Enterprise Linux AS5.0 (32/64 bit) SuSE® Linux Enterprise Server 10 (32/64 bit) Windows® Server 2008 Enterprise 32/64-bit (Subject to change without any notice)
Anti-virus Software	Optional Anti-Virus CD Pack

Management Solution	**Software:** ASWM2.0 **Out of Band Remote Management:** Optional ASMB4-iKVM for KVM-over-IP support
Safety	US / Canada (UL1950-CSA950) Europe (CE, EN55022 compliance to EU Directive 89 / 366/ EEC) Europe (TUV)
EMI	US (FCC, CFR47 Part 15, Class A, Class B) Europe (CE, EN55022 & EN55024) Australia (C-TICK) Taiwan (BSMI) China (CCC)
Dimensions without Packing	686 43.4 444 (W) x (D) (H) x
Net Weight Kg (CPU, DRAM and HDD not included)	15 Kg
Power Supply	770W (80+) (1+1, default with one Power Supply Module) Redundant Power Supply
Environment	**Operation temperature:** 10℃ ~ 35℃ / Non operation temperature: -40℃ ~ 70℃ **Non operation humidity:** 20% ~ 90% (Non condensing) **Non operation humidity:** 20% ~ 90% (Non condensing)
Accessories	1 x User's Guide 1 x ASUS ASWM2.0 User's Guide 1 x Support CD 1 x Bag of Screws 1 x AC Power Cable 1 x Semi-Ball Bearing Rail Kit
Optional Parts	Second Redundant Power Supply Module CPU Heatsink Slim-type Optical Device CA eTrust Anti-virus Software CD

Cable-less Design 1U with High Power Efficiency

Professional Cable-less Design

With unique cable-less design, RS700-E6 provides neat and professional overview, delivers good signal quality, minimizes the interference of airflow for effective system cooling and benefits MIS with easier diagnosis and maintenance.

EPU & Optimal Power Efficiency

The RS700-E6 is equipped with the ASUS exclusive EPU (Energy Processing Unit) technology, which intelligently calibrates the best possible settings to ensure the best power management. The 80+ bronze PSU further saves power and reduce heat dissipation.

Hot-swap Design Improves Availability & Reliability

RS700-E6 support hot swap fans in the 1U chassis, which is easy to maintain and fault resilience for better thermal solution; the 1+1 hot-swap redundant PSU is highly reliable with 7 x24 services; while hot-swap HDD bays provide complete RAID solution for data protection.

ASUS PIKE Upgrade Kit for SAS Storage

The ASUS optional PIKE provides direct SAS RAID upgrade and multiple I/O solutions and RAID functions through a unique slot—without sacrificing expansion capability, and is compatible with all ASUS Tylersburg DP MB for future use.

Designed for Virtualization Applications

Virtualization provides central management through a hub and reduces power consumption and cost for cooling and space requirements. The RS700D-E6/PS8 is able to provide excellent virtualization applications with ISV certification. The onboard vertical USB connector is designed for VMWare ESXi, to make full use of the system resource and reduce the TCO and IT expense.

Real-time and Out-of-band Server Management

The optional ASMB4-iKVM module offers real-time web-based management and remote system control (KVM-over-IP) with a single local computer.

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- PCB color and bundled software versions are subject to change without notice.
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